

113-13

55°09.5' N. 132°20.51' W.

K 151

Previous No. 134A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, SOUTH ARM, S.W. head

MAJOR SPECIES Pink, chum

OTHER SPECIES

ESCAPEMENT TIMING Late. Sept. -Oct.

ESCAPEMENT MAGNITUDE

SPAWNING FACILITIES Fair. The upper intertidal zone is reported to be the major spawning area.

STREAM TEMPERATURES Warm range (Observed temperature: 43° F., 9/10/49).

VALLEY DESCRIPTION The valley runs S. for only a short distance before it splits. One branch goes to the base of the mountains to the S.E., the other to the ridge to the W.

DRAINAGE 2.3 square miles (polar planimeter). Precipitation fed. A snowfield lies in the S.E. corner of the valley and probably contributes snow melt at certain times of the year.

STREAM MOUTH IDENTIFICATION The stream enters the S.W. corner of the head of South Arm.

A large grass flat is found at the mouth.

ANCHORAGE See Disappearance Creek (K 150).

TRAILS AND SURVEY ROUTES Travel is easy along the stream bed. No trails.

AERIAL SURVEY NOTES For best aerial coverage of this stream fly up the N. side of the valley and down the S. side.

GENERAL NOTES A small stream having a good escapement at times.

## INTERTIDAL ZONE

LENGTH 150 yards

AVERAGE WIDTH/DEPTH, 15'/24"

GRADIENT AND VELOCITIES Moderate

BOTTOM Gravel and rubble

LOW TIDE LOCATION

HIGH TIDE LOCATION

SCHOOLING AREAS

SPAWNING AREAS The upper part of this zone is spawned in heavily by both chum and pink.

GENERAL NOTES

## UPSTREAM

LENGTH ACCESSIBLE

AVERAGE WIDTH/DEPTH 12'-30'/10"-15"

GRADIENT AND VELOCITIES Moderate

BOTTOM Gravel and small rock.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS None

TRIBUTARIES About

SCHOOLING AREAS

SPAWNING AREAS Limited.

GENERAL NOTES

## ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK		CHUM		OTHER SPECIES Live	REMARKS Adjective rating
			Live	Dead	Live	Dead		
1939 Sep 20		FWS						Poor. Few hundred in stream. Pink schooled in bay
1941 Oct 3	G 1.0	FWS	12,000		3,000			Excellent
1942 Sep 23	G 0.3	FWS	200		2,300			Excellent. 3,000 fish off mouth
1943 Sep 30	G 0.3	FWS	10,000		5,000			Fair. 1,000 fish off mouth
1946 Oct 5	G 0.8	FWS	2,500					Good. 1,000 fish off mouth
1947 Oct 3	G 0.3 FRI, FWS		80,000		20,000			Good. 10,000 fish off mouth
1948 Sep 29	G 0.6	FWS	2,000		3,000			Good. 1,500 fish off mouth
1949 Sep 10	G 0.5	FRI	500		503			No fish off mouth
Oct 8	G 0.1	FRI	1,000	35	1,000	5,000		
1952 Sep 20	G 0.2	FWS	0		100	0		200 chum at mouth
1953 Sep 15	G 0.0	FWS	0		1,000			Fresh
Sep 18	G 0.5	FRI	1		1,500	35		Stream 3"-6" above normal. Dead predator kills
Sep 19		ADFEG	6		1,470			Probably 3,000 fish. Stream flooding
Sep 26	G 0.1	FWS						
1954 Sep 4	A 0.5	FWS						Stream low
1959 Sep 7	G	FRI	0		150			None at mouth
Sep 30	A	ADFEG	0		30,000			
Oct 1	G	FRI	0		50,000			
1960 Aug 25	A	ADFEG	0		0			None at mouth
Sep 2	A	ADFEG	0		0			None at mouth
Sep 6	A	ADFEG	0		0			None at mouth
1961 Aug 16	A	ADFEG						None observed
Sep 1	A	ADFEG						50 at mouth
Sep 13	A	ADFEG						None observed
Oct 11	G 0.2	ADFEG			50			All old

113-13

K151

